No. 1st & Final

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

YNK-DBB No. 27 Date 11.11.17 2017

Division: BBMP / YNK Sub-Division: Yelahanka Sub – Division.

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional Work Code: 004-18-000001

Schedule Docket No. Head of Account: 9 - 1802 Est.Cost: 40.00 Lakhs B.R.No. :

Name of Work : Drilling of borewells and providing pipeline of drinking water line of yelahanka new town ward no-04.

Name of Contractor and Full Address: **Technical Manager (West) KRIDL, BBMP, Bangalore.**

Reference to Agreement No. EE/YNK.D/ W.O/ 000013 /2017-18. Date: 6-9-2017.

Certified that the measurements were taken by me on 16.10.17 and recorded of Pages 216014 to ....254.... measurement Book No. 216 and that the work is satisfactorily executed.

Ramadevi Jeerahal AR
Officer-in-charge of work

Contractor

Certified that the measurement were taken by me on 16/10/17 and found correct. The work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	1st & Final	3956030:00
2)	Deduct amount to be held in reserve being .....percent Rs.....	FSD	257142:00
3)	" Balance	CGST	39560:00
4)	Deduct Payment:	SGST	39560:00
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount	IT	79120:00
	adjusted towards cash advance recovery of	LC	39560:00
b)	Payments Now made: cost store or other material supplied. recovery of amount creditable to this/other work. Amount paid on this bill Cheque / Cash.	CQF	3956:00
		LR	33000:00
5)	Balance being unpaid value of work done held in reserve.	T.D	491898:00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	NP	3464132:00
7)	Net amount due to or from Contractor unadjustments items.		
8)	Advance to Contractor for materials brought to site (as detailed) within.		
9)	Value of Government materials supplied.		
	Total amount adjusted -		

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

Byatarayanapura
KRIDL, BBMP, Bangalore
3956030:00
(For use in the Office)

3464132:00
491898:00

Executive Engineer

sl no	Description of work	Unit
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site , engaging techinical personal and labour required etc., as per Specification and direction **(P.48, I. 9.4) PRED.SR 2012-13**	Each BW
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **P. 46 / I. 9.1 PRED SR 2012-13**	Rmtr
	0 to 50 m	
	50 to 100 m	
	100 to 150 m	
	150 to 200 m	
	200 to 250 m	
	250 to 300 m	
	300 to 350 m	
3	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty **P. iii, I No. 84 PRED SR 2012-13**	Rmtr
4	Providing 250mm dia PVC Pipe 6kg/cm **SE PRED Approved Rate**	Rmtr
5	Providing and fixing 160mm Borewell Cap **P. iii, I No. 85**	Each
6	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps **including of all taxes Page No. XXXXII / Item No. 33, PWD SR 2016-17 15 HP 30 Stage**	No
7	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008	Rmtr
8	Heavy Duty Collar 50 mm dia	Nos
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of **GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqm mm KPWD Electrical SR 2014-15**	Mtr
10	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) **Page No. 558, Items No-3 BWSSB SR for 2014-15)**	Per Length
11	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of **GROUP-A P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**	Mtr
12	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct. **P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**	Mtr
13	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per Civ il SR KSRB I-2, P-7) **P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15 For Cutting Road Surface**	Mtr
14	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV **P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15 40mm dia GI pipe**	Mtr
15	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15 16sqmm**	No

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	3	1938.46	5815.00	3.00	5815.00	
–	–			0.00	0.00	0.00	
–	–	150.00	315.18	47277.00	150.00	47277.00	
–	–	150.00	412.00	61800.00	150.00	61800.00	
–	–	150.00	458.35	68753.00	150.00	68753.00	
–	–	150.00	484.10	72615.00	150.00	72615.00	
–	–	150.00	560.32	84048.00	150.00	84048.00	
–	–	150.00	600.49	90074.00	150.00	90074.00	
–	–	150.00	640.66	96099.00	150.00	96099.00	
–	–	240.00	1325.00	318000.00	240.00	318000.00	
–	–	54.00	754.47	40741.00	54.00	40741.00	
–	–	3	100.00	300.00	3.00	300.00	
		5	70600.00	353000.00	5.00	353000.00	
–	–	1396 ~~1200.00~~	375.00	523500 ~~450000.00~~	1396 ~~1200.00~~	523500 ~~450000.00~~	
–	–	150	130.00	19500.00	150.00	19500.00	
		~~2500.00~~	188.70	471750.00	2500.00	471750.00	
		199 ~~200~~	88.00	17512 ~~17600~~.00	199 ~~200.00~~	~~17512~~ ~~17600.00~~	
		90.00	140.40	12636.00	90.00	12636.00	
		90.00	10.80	972.00	90.00	972.00	
		~~75.00~~ 73	85.00	~~6375.00~~ 6205	~~75.00~~ 73	~~6375.00~~ 6205	
		12.00	345.00	4140.00	12.00	4140.00	
		3.00	280.00	840.00	3.00	840.00	

sl no	Description of work	Unit
16	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, **(P No. 55, I No. 7.1) KPWD Electrical SR 2014-15**	No
17	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers **P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15 32 Amps**	No.
18	KSRB 13-7.1-4 Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 **Page No. 90 Item No. 13.55 / PWD SR 2016-17**	Nos
19	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 50 mm dia **P. No. 92 / I. No. 13.81.3 PWD SR 2016-17 50mm dia**	No
20	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No
21	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No
22	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. **5-32Amps TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15**	No
23	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15 16SWG**	Sq Cm
24	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. **12.5HP to 15 HP Star Delta Starter SERDED Rate**	No.
25	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Page No. 01/ Item No.1.2.2 / PRED SR 2012-13** in ordinary soil	Cum
26	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Page No. 01/ Item No.1.2.2 / PRED SR 2012-13** in ordinary rock without blasting	Cum
27	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalable from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13.**	Rmtr
28	Refilling the basement and pipeline treanches with secteted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum
29	Providing sand bedding for the pipeline including watering and consolidation by punners etc complete with all lead and lift PREC SR 2012-13 Page No 1 Sl No 16	cum
30	KSRRB M400- **Wet Mix Macadam** - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No 158 I.No.20.18)	cum
31	KSRB 13.6.3-6 Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **P. 92 / I.13.37 PWD SR 2016-17**	Each
32	GI Pipe 50mm dia B class SL No 509 Page No XVII code 0154 SR 2016-17	Mtrs
		TOTAL

Certificates:

1 The above work is done satisfactorily.
2 There is no department Material issue for the above work.
3 This works comes under BBMP Limit.

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
		3	2727.00	8181.00	3.00	8181.00	
		6	180.00	1080.00	6.00	1080.00	
		8	1585.76	12686.00	8.00	12686.00	
		3	227.90	684.00	3.00	684.00	
		12	80.00	960.00	12.00	960.00	
		3	350.00	1050.00	3.00	1050.00	
		3	1547.00	4641.00	3.00	4641.00	
		111000 ~~113400.00~~	0.33	36630 ~~37422.00~~	111000 ~~113400.00~~	36630 ~~37422.00~~	
		7	11000.00	77000.00	7.00	77000.00	
		839.25 ~~774.00~~	135.00	113298 ~~104490.00~~	839.25 ~~774.00~~	113298 ~~104490.00~~	
		223 ~~206.40~~	435.00	97000:00 ~~89784.00~~	223 ~~206.40~~	97000:00 ~~89784.00~~	
		1865 ~~1720.00~~	157.00	292805 ~~270040.00~~	1865 ~~1720.00~~	292805 ~~270040.00~~	
		447 ~~774.00~~	61.00	27267 ~~47214.00~~	447 ~~774.00~~	27267 ~~47214.00~~	
		163.85 ~~309.60~~	950.00	159458 ~~294120.00~~	163.85 ~~309.60~~	159458 ~~294120.00~~	
		223.2 ~~206.40~~	1768.08	394635 ~~364932.00~~	223.2 ~~206.40~~	394635 ~~364932.00~~	
		26	2175.12	56553.00	26.00	56553.00	
		~~140~~ 136	210.00	~~29400.00~~ 28560	~~140.00~~ 136	28560 ~~29400.00~~	
				~~3622572.00~~	3608065	~~3622572.00~~	
9% KRIDL service charge				~~326031.00~~	324725	~~326031.00~~	
			RESUM	~~3948603.00~~	232740	~~3948603.00~~	

~~40,00,000/-~~ 40,00,000/-

Total 3956030:00

Ramanajeevaiah AE